CAYC SERIES: Radial, 125°C

Al.E.CAP.

FEATURES

- 125°C, 2,000 hours assured.
- Ultra Low ESR, solid capacitors with large permissible ripple current

SPECIFICATIONS

Items	Performance
Operating Temperature Range	-55C ~ +125°C
Capacitance Tolerance	+20% (at 120Hz, 20°C)
Leakage Current (at 20°C)	Less than 0.2CV (μA) after 2 minutes, Where, C=rated capacitance in μF. V=rated DC working voltage in V.
Dissipation Factor (Tan ä at 120Hz, 20°C)	See the Dimension & Permissible Ripple Current
ESR (at 100K ~ 300K Hz, M¿, 20°C MAX)	See the Dimension & Permissible Ripple Current
Load Life Test (125°C with rated voltage applied)	Test Time: 2.5V~4V: 1,000 Hrs; 6.3V~16V: 2,000Hrs Capacitance Change: Within ±20% of initial value Dissipation Factor: Less than 200% of specified value ESR: Less than 200% of specified value Leakage Current: Within specified value * The above specifications shall be satisfied when the capacitors are restored to 20°C after the rated voltage applied for 2,000 hrs at 125°C
Moisture Resistance (Stored at 60°C 90 to 95% R.H) Standards	Test Time: 1,000 Hrs Capacitance Change: Within +20% of initial value Dissipation Factor: Less than 150% of specified value ESR: Less than 150% of specified value Leakage Current: Within specified value * Leakage current should be tested after voltage treatment.
	JIS C 5101-1

DIMENSION & PERMISSIBLE RIPPLE CURRENT

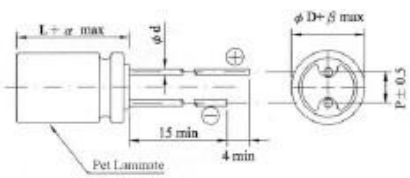
W.V.(V)	Capacitance (μF)	Size ØDxL (mm)	Tanä	L.C.	E.S.R. (100k ~ 300kHz, m¿, 20°C MAX)	Rated R.C. (mArms at100kHz) T<105°C	Rated R.C. (mArms at100kHz) 105°C<T<125°C
2.5V(0E)	680	6.3 x 6.5	0.18	340	13	4,520	1,721
	1,500	8 x 11.5	0.18	750	13	5,440	1,430
4V(0G)	560	6.3 x 5.5	0.18	448	13	4,520	1,721
	1,200	6.3 x 11	0.18	960	12	5,440	1,430
6.3V(0J)	470	6.3 x 5.5	0.15	592	15	4,210	1,721
	820	6.3 x 11	0.15	1,033	12	5,440	1,430
10V(1A)	330	8 x 11.5	0.12	660	16	3,950	1,250
	560	10 x 12.5	0.12	1,360	13	5,230	1,655
16V(1C)	180	6.3 x 5.5	0.12	576	18	3,640	1,151
	330	6.3 x 11	0.12	1,056	16	4,720	1,493
20V(1D)	100	8 x 11.5	0.15	400	24	3,320	1,050
	150	10 x 12.5	0.15	600	20	4,320	1,367

Code	Lead Forming Type
O	Bulk
T	5mm Chip tape
A	(Φ4~Φ6.3)2.5mm tape
F	(Φ4~Φ8)5mm tape
P	Φ≥Φ8mm original(vertical)tape
M	5mm Lead forming
C	C Lead forming
B	B Lead forming
D	(Φ4~Φ8)2.5mm Lead forming

PAD SPACING AND DIAMETER

Unit: mm

øD	8	10
L	11.5	12.5
P/F	3.5	5.0
ød	0.6	
a	1.0	1.5
ß	0.5	



PART NUMBER EXAMPLE

CAYC 336 M 1C B 063110 F

- CAYC — Series
- 336 — Capacitance Code
- M — Tolerance Code
- 1C — Rated Voltage
- B — Package
- 063110 — Case Size
- F — Flat Rubber